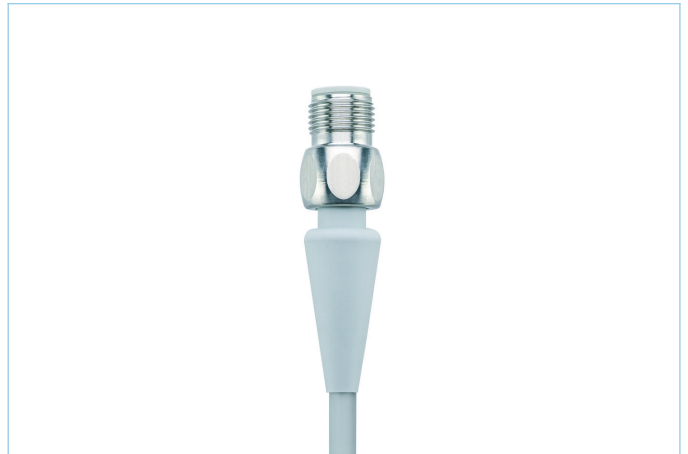
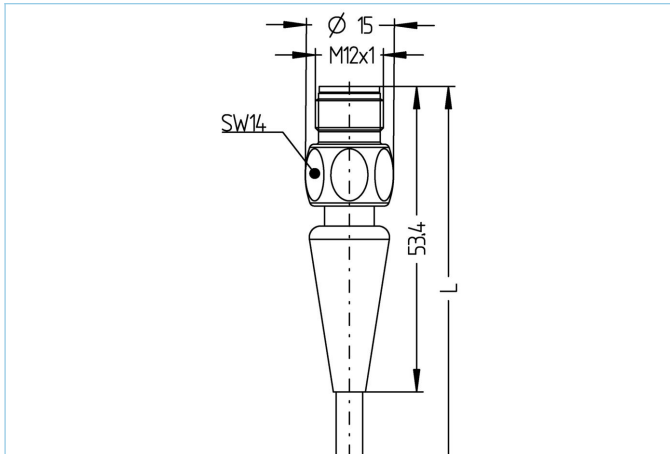


## M12, male, straight, 5 poles, Food & Beverage



| Product data                   |                              |
|--------------------------------|------------------------------|
| Item description               | FB-WASH4.5-m/S3930           |
| Item-No.                       | V0005552                     |
| Länge                          | on demand                    |
| Customs tariff-No.             | 85444290                     |
| Step-File                      | FB-WASH4.5-L.stp             |
| Technical data                 |                              |
| Connector                      | male, straight, M12          |
| Number of pins                 | 5                            |
| Pin assignment                 | 1 BN, 2 WH, 3 BU, 4 BK, 5 GY |
| Coding                         | A                            |
| Rated voltage                  | 60V   30V (UL)               |
| Current load per pin (at 40°C) | 4A                           |
| Insulation resistance          | ≥10 <sup>8</sup> Ω           |
| Resistance                     | ≤ 5mΩ                        |
| Ambient temperature product    | -40°C...+105°C               |
| Contact material               | Metal, CuZn, gold-plated     |
| Contact-carrier material       | Plastic, PP, GY              |
| Grip body material             | Plastic, TPE, GY             |
| Coupling nut material          | Stainless steel, V4A         |
| Standards                      | IEC 61076-2-101              |
| Degree of protection (mounted) | IP65, IP67, IP68, IP69       |
| Mechanical life-cycle          | >100 mating cycles           |
| Cable end assembly             | open cable end               |
| Degree of pollution            | 3                            |
| Style                          | straight                     |

|                  |                           |
|------------------|---------------------------|
| <b>Cable web</b> | <b>TPE, UL, S3930, GY</b> |
|------------------|---------------------------|

TPE jacketed cable with elevated position-proof wires with an insulation of special polyester. Resistant to all common acidic- and alkaline cleaning- and disinfection agents. PVC-free plastics prevent discoloration and hardening by detergents. Predestined for applications in the food- and beverage industry. Due to the materials used, it is also suitable for applications in machine- and plant construction. High stability, good drag-chain- and torsion capability.

|                                |                                                                                                                                                                                                                                                                                                                          |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Outer diameter of jacket       | 5.0 +/- 0.15 mm                                                                                                                                                                                                                                                                                                          |
| Cable-jacket material          | TPE                                                                                                                                                                                                                                                                                                                      |
| Jacket color                   | GY, similar RAL7035                                                                                                                                                                                                                                                                                                      |
| Wire cross-section             | 5 x 0.34 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                 |
| Wire insulation material       | TPE                                                                                                                                                                                                                                                                                                                      |
| Wire colors                    | BN, WH, BU, BK, GY                                                                                                                                                                                                                                                                                                       |
| Wire structure                 | 42 x 0.10 mm                                                                                                                                                                                                                                                                                                             |
| Bending radius (fixed)         | 5 x Ø-cable                                                                                                                                                                                                                                                                                                              |
| Bending radius (repeated)      | 10 x Ø-cable                                                                                                                                                                                                                                                                                                             |
| Temperature range (repeated)   | -25°C...+105°C                                                                                                                                                                                                                                                                                                           |
| Temperature range (fixed)      | -40°C...+105°C                                                                                                                                                                                                                                                                                                           |
| Temperature range (drag chain) | -25°C...+60°C                                                                                                                                                                                                                                                                                                            |
| Halogen-free                   | Yes                                                                                                                                                                                                                                                                                                                      |
| Rated voltage cable            | ≤240 VAC                                                                                                                                                                                                                                                                                                                 |
| Special features               | increased thermal load, halogen free, excellent acid- and alkali resistant, hydrolysis proof, LABS free, ozone resistant, recyclable, RoHs compliant, drag chain-adapted, seawater resistant, torsion resistant, verified resistance against P3-topactive, flexibility at low temperature, flexible at high temperatures |

### Classification

|            |          |
|------------|----------|
| eCl@ss 6.0 | 27279218 |
| eCl@ss 7.0 | 27279218 |
| eCl@ss 8.0 | 27279218 |
| eCl@ss 9.0 | 27060311 |
| ETIM 5.0   | EC001855 |
| ETIM 6.0   | EC001855 |

### Accessories

Mounting-set, M12  
<https://www.escha.net/en/products/standard/accessories-for-connectivity/8047664>

Torque-wrench set  
<https://www.escha.net/en/products/standard/accessories-for-connectivity/8055431>

Marking rings Ø 9mm  
<https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&o=3&n=15&f=809>

Cable Stripping Tool  
<https://www.escha.net/en/products/standard/accessories-for-connectivity/8066215>

Cable Stripping Tool  
<https://www.escha.net/en/products/standard/accessories-for-connectivity/8066216>

Food & Beverage, Adapter  
<https://www.escha.net/en/products/standard/accessories-for-connectivity/8063392>